

Abstract

An air cleaning device (A) includes a bulb-shaped casing (1) provided at one end with a base (4) and at the other end with an outlet (3e, 3a), in which an AC/DC converter (11) for converting an alternating current from the base (4) into a direct current, a boosting transformer (12) for boosting the direct current, and a negative ion generator or ozone generator (21 or 21A) connected to the boosting transformer (12) are accommodated. Application of high voltage from the boosting transformer (12) to the negative ion generator or ozone generator (21 or 21A) induces electrical discharge to generate negative ions alone or both negative ions and ozone and release the negative ions alone or both the negative ions and the ozone from the outlet (3e, 3a). The device can be disposed on the floor, suspended from above, hung on the wall or set in position at an optional location, using as its power source electric power from a socket (41A, 41B) for a reading lamp, a socket (62) built in the ceiling, or an electrical receptacle mounted in a wall, so that negative ions alone or both negative ions and ozone can be released in an optional direction.